



MISSOURI DEPARTMENT OF NATURAL RESOURCES
ENERGY CENTER – ENERGY REVOLVING FUND
WALL OR CEILING INSULATION WORKSHEET

BUILDING	LOCATION	DATE
----------	----------	------

CHECK THE TYPE OF INSULATION PROJECT UNDER CONSIDERATION

☐ Attic ☐ Crawl Space ☐ Wall ☐ Roof ☐ Other _____

To estimate the savings of adding insulation to the ceiling or wall, the following information must be known:

The area to be insulated in square feet.

The old R-value.

The new total R-value.

The heating plant efficiency (in percent). (Check nameplate or with contractor).

The heating energy cost (\$/million Btu).

SAVINGS CALCULATIONS

1. Enter the old R-value _____
2. Enter the new total R-value _____
3. Subtract line 1 from line 2 _____
4. Multiply line 1 by line 2 _____
5. Divide line 3 by line 4 _____
6. Enter the area to be insulated (square feet) _____
7. Multiply line 5 by line 6 _____
8. Enter the heating plant efficiency (percent divided by 100) _____
9. Divide line 7 by line 8 _____
10. Divide line 9 by 10.0 _____
11. Enter the energy cost (\$/million Btu) _____

ANNUAL SAVINGS

12. Multiply line 10 by line 11 \$ _____ /year

PROJECT COST

13. Enter the total cost to insulate the area including material, labor and design \$ _____

SIMPLE PAYBACK

14. Divide line 13 by line 12 _____ years

DESCRIPTION PAGE

Wall or Ceiling Insulation Energy - Conservation Measure

Describe the existing system and the proposed energy-conservation measure (use additional sheets if necessary):